

Mechanical Services HEI can provide

- Air Conditioning Heating Ventilation
- Sanitary and Storm Piping
- Domestic Water Piping and Systems
- Building Automation Systems
- Medical Gas and Piping Systems
- LEED Certification
- BIM Design
- Energy Audits

Types of Facilities HEI Designs

- Medical
- Educational
- Institutional
- Commercial
- Industrial
- Laboratory Design
- Computer Room Design
- Laundry Facilities

Follow us at HEI Engineering Group, Inc. to see more photos of our feature projects and the latest news.



New Boilers for AGMC Community Health Center

This winter was very cold, but the AGMC Community Health Center kept warm due to a recent boiler upgrade.

The facility, built in 1981, was served by a single cast iron sectional boiler. In 1985 a building addition resulted in (3) three more boilers being installed in the same mechanical room. Both of these heating water plants had independent pumping and venting systems, but a portion of "common" piping. This "common" piping with manual shut-off valves allowed the Owner to re-direct water flow to provide minimal heat throughout the entire building in case one of the boiler plants failed.

HEI Engineering Group, Inc. designed a new single boiler plant to serve the entire building which includes (2) 1000MBH high efficiency condensing boilers and (2) two inline pumps that operate in "run"/"stand-by" configuration. The plant is sized so that if a boiler fails on a cold day, the other boiler can automatically maintain 2/3 of the building load. Therefore, the Owner no longer needs to be present to try to maintain heating comfort in the event of a boiler failure.

The large combustion air louver was no longer needed since the new boilers are "direct vent", but a small portion of the original louver is ducted to a new combustion air fan that is inter-locked to operate only when the domestic hot water heater fires. This modification greatly reduced the amount of cold outdoor air infiltration into the mechanical room.

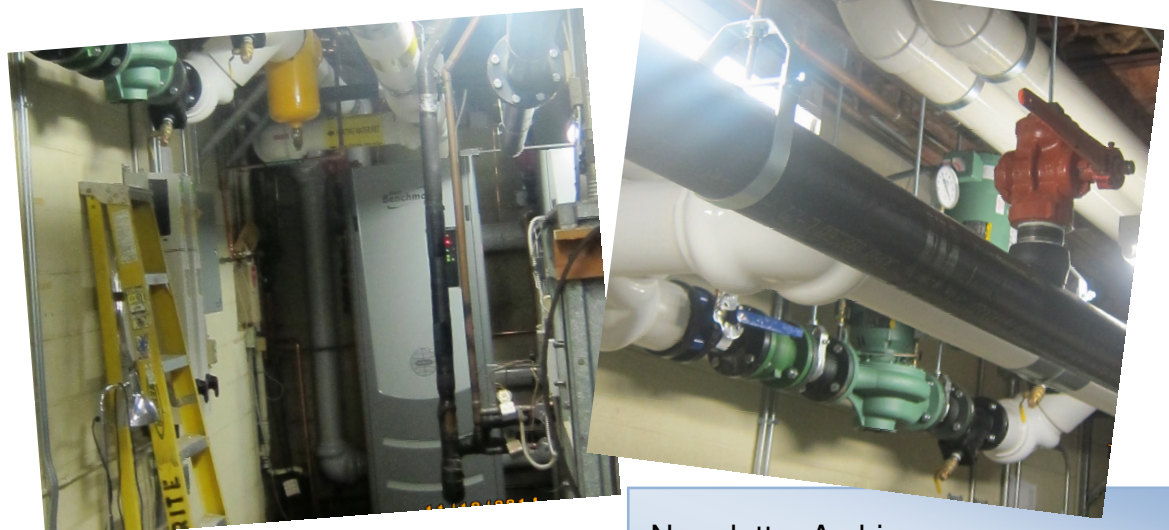
We were also glad to gain floor space for the Owner with the compact footprint of today's high efficiency boilers.

CONTACT US

HEI Engineering Group, Inc.
1022 Heyl Rd.
P.O. Box 996
Wooster, Ohio 44691
www.hei-ohio.com

Ph 330-262-0042
Fax 330-262-0392

Lewis Hinkel, PE, CEM	Ext. 268
Dan Evans, CPD, LEED AP BD+C	Ext. 582
Dave Baker, CPD	Ext. 269
Stacey Lloyd, PE	Ext. 262
Cindy Murphy	Ext. 279
Roger Bowling	Ext. 270
Joy Hinkel	Ext. 281



Newsletter Editor, Dan Evans evans@hei-ohio.com



Use your smart phone to view more about HEI

Newsletter Archives

Go to www.hei-ohio.com and click on the News page to see past newsletters